BRUHATH BANGALORE MAHANAGARA PALIKE, DASARAHALLI ZONE
Office of the Executive Engineer, Dasarahalli Division
Schedule - B

NAME OF THE WORK: Establishing of R.O.Plant near Govt., School mallasandra in ward no. 13 in Shettyhalli Sub Division

Sl. No	Description of work	Unit	Qty	Rate quoted by Sri K.Shankar Reddy	
				In Figures (Rs.)	In Words (Rs.)
1	2	3	4	5	6
1	Earth work in surface excavation in hard soil for leveling and lowering the ground manually (other than foundation of buildings, culverts, road drains and trenches of pipe line and cables) and removing the excavated stuff to a distance not exceeding 50m and lift upto 1.5m, excavated surface leveled and neatly dressed, disposed earth to be leveled after breaking of clods and neatly dressed as per specifications,	Cum	9.6	150.0	Rupees One Hundred Fifty Only
2	Earth work excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in hard soil not exceeding 1.5m , in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50m. specification,	Cum	22.17	180.0	Rupees One Hundred Eighty Only
3	oading and unloading ofstone aggregates / sand/ kanker/ Moorum /soil KSRRB M100-1 Placing tipper at loading with front end loader dumpting turning for return trip excluding time for haulged and return trip complete as per specification item No 17.1 page 141 and KSRB M.100.4.1 costof haulage excluding loading and unloading MORTH to a distance of 4.00 K.M	Cum	31.77	70.0	Rupees Seventy Only
4	Providing and laying in position plain cement concrete of mix 1:4:8 withOPC cement at 180kgs, with 40mm and down size graded granite metal coarse aggregates @0.892cum and fine aggregates @0.57cum machine mixed, concrete laid in layers not, exceeding 15cms, thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications.	Cum	9.39	5100.0	Rupees Five Thousand One Hundred Only

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5	Providing and laying in position plain cement concrete of mix M20 withOPC cement @ 320kgs, with 20mm and down size graded granite metal coarse aggregates @0.878cum and fine aggregates @0.459cum with superplastesisre @ 3lts conforming to IS9103-1999Reffirmed 2008 machine mixed exceeding 15cms thick, vibrated for all works in foundation plinth and ground floor level for roof slabs, staircase, lintels, retaining walls, return walls, walls(any thickness) including attached plasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc, including cost of all materials, labour HOM of machinery, curing, complete as per specifications.	Cum	12.28	6100.0	Rupees Six Thousand One Hundred Only
6	Providing and constructing granite / trap / basalt rubble stone masonry in foundation with cement mortar 1:6, stone hammerd dressed in courses not less than 20 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications.	Cum	9.86	3700.0	Rupees Three Thousand Seven Hundred Only
7	Providing and constructing granite / trap / basalt size stone masonry in basement with cement mortar 1:6, edges of stones chistle dressed in courses not less than 15 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications	Cum	4.6	4600.0	Rupees Four Thousand Six Hundred Only
8	Providing flush pointing to square rubble, course or uncoursed stone masonry with cement mortar 1:3, 20 mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour, curing complete as per specifications.	Sqm	12.78	100.0	Rupees One Hundred Only
	Filling available excavated earth (excluding rock) in sides of foundations upto plinth in layers not exceeding 20cms, in depth, compacting each deposited layers by ramming after watering with lead upto 50m, and lift upto 1.5m, including cost of all labour complete as per specifications,	Cum	14	100.0	Rupees One Hundred Only
	Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for sides and soffits of beams, beam haunchings, cantilever girders, bressumers and lintels not exceeding 1 m in depth including cost of all materials, labour complete as per specifications.	Sqm	59.76	210.0	Rupees Two Hundred Ten Only

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	Providing and removing centering, shuttering, strutting, propping etc., for chajjas, corbels etc., including edges including cost of all materials, labour complete as per specifications.	Sqm	3.12	240.0	Rupees Two Hundred Forty Only
12	Providing and constructing precast concrete solid blocks with compressive strength not les than 35 Kg/sqm with cement mortar 1:4 masonry (quoin, Jamb, closer blocks) with solid concrete blocks of size 40x20x20 cms conforming to I.S: 2185/1965 in superstructure including cost of materials, labour charges, scaffolding, curing complete as per specifications.	Sqm	73.13	970.0	Rupees Nine Hundred Seventy Only
13	providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost pf materials, labour, HOM of machinery complete as per specifications	Tonne	0.465	60000.0	Rupees Sixty Thousand Only
14	Providing 12mm thick cement plaster in single coat with cement mortar 1:6, to brick masonry including rounding off corners wherever reuired smooth rendering, : Providing and removing scaffolding, including cost of materials, labour. Curing complete as per specifications	Sqm	72.56	162.0	Rupees One Hundred Sixty Two Only
15	FIXTURES for doors and windows Hinges 5" heavyduty	Each	4	37.0	Rupees Thirty Seven Only
16	bottom lock nail	Each	10	47.0	Rupees Forty Seven Only
17	MS Clamps	Each	8	38.0	Rupees Thirty Eight Only
18	Brass screws 25mm	Each	50	2.1	Rupees Two and Ten Paise Only
19	Providing and fixing single shutter glass door of 12mm thick plain Toughened glass (Saint Gobain,Modi float).The door is fixed by using any approved make hardware fitting like patch fitting, pivot,Floor machine, locking arrangements and suitable SS door rails withFloral glass etching for 1/3 portion of door area etc complete. The rate includes cost of all materials, labour, hire of tools & machineries, and as per specification.	Sqm	10	9400.0	Rupees Nine Thousand Four Hundred Only

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5	20	Providing precast chequered mosaic tiles dark shade using ordinary grey cement for steps and flooring, with precast 20mm thick, using marble chips of approved colour 7 to 10 nominal size laid in floors, steps and landings on a bed of 12mm thick cement mortar 1:6, mix, jointed with neat cement slurry mix with pigment to match the shade of tiles curing, rubbing, polishing , oxalic acid wash, wax polish, including cost of materials, labour, HOM machinery complete as per specifications	Sqm	10	920.0	Rupees Nine Hundred Twen Only
	21	Providing and laying flooring using pre polishing water cut/gang saw 19 mm thick Granite slab over existing cement concrete bed in CM 1:4 at 20mm thick (average) pointed with white cement/ colour pigment etc., complete.	Sqm	4.8	2000.0	Rupees Two Thousand Only
	22	Providing and fixing Special make glazed Vitrified tiles (Granomite finis) of approved make, quality and colour of sized 6000x600x10mm thick fixed on existing flooring wit ha special roffe adhesive for flooring and skirting etc., complete including providing spears at required interval and removing stains etc., complete.	Sqm	14	1000.0	Rupees One Thousand Only
	23	Applying priming coat over new wood surface and / or wood based surface after brushing with wood primer pink paint including preparing the surface after thoroughly cleaning oil, grease, dirt, and foreign matter, sand papering and knotting ready mix paint including cost of materials, labour, complete as per specifications	Sqm	33.44	35.0	Rupees Thirty Five Only
24		Providing and applying painting two coats (excluding priming coat) on new wood surface and / or wood based surface with enamel paint to give an even shade, cleaning the surface of all dirt, dust and foreign matter, sand papering including cost of materials, labour, complete as per specifications	Sqm	33.44	85.0	Rupees Eighty Five Only
		Providing and applying painting in two coats with plastic emulsion paint of approved brand on wall surface to give an even approved shade after thoroughly brushing the surface free from mortar drops and other foreign matter including preparing the surface even and sand paper smooth cost of materials, labour, complete as per specifications. with primer.	Sqm	33.44	90.0	Rupees Ninety Only

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6	Providing and finishing external walls in two coats with waterproof cement paint of approved brand and shade to given an even shade after thoroughly brooming the surface to remove all dirt and loose powdered material, free from mortar drops and other foreign matter cost of materials, labour, complete as per specifications. with primer	Sqm	10	90.72	Rupees Ninety and Seventy Two Paise Only
27	POP Sheets corogated roof Sheets nut bolts including labour charges etc complete	Sqm	16	1200.0	Rupees One Thousand Two Hundred Only
28	G.I. Roof sheets fixing and complete including labour charges	Sqm	12	600.0	Rupees Six Hundred Only
29	Steel Pre fabricates structure with a 14 Guage (3)" each 60 kg including cutting and transportation complete	Kgs	144	90.0	Rupees Ninety Only
30	Point wiring using Copper wire with switch. Supplying and wiring adopting loop system in existing PVC Conduit / casing capping using 1100V grade, COPPER conductor flexible multistrand FRLS PVC insulated, 2X1.5Sq.mm Cable confirming to the GTP without switch, the other end of the wires shall be terminated with sufficient loose length in a wood/PVC round block complete for each outlet. 2.3.1) Short point upto 3Mtr from tapping point to out let via switch box	Point	2	144.0	Rupees One Hundred Forty Four Only
31	2.3.2) Medium point above 3Mtr upto 6Mtr from tapping point to out let via switch box	Point	2	215.0	Rupees Two Hundred Fifteen Only
32	2.3.3) Long point above 6Mtr upto 10Mtr from tapping point to out let via switch box	Point	2	334.0	Rupees Three Hundred Thirty Four Only
33	Open Conduit System Supplying heavy gauge PVC conduit pipe .....dia .....mm thick confirming to IS 2509 with suitable size bends, junction boxes, adhesive paste etc., and fixing using inverted wood plugs in case of RCC ceiling and RCC wall / stone structure or rawl plugs in case of brick walls and cement plastering the damaged portion using heavy gauge saddles at an interval of 700mm using NF screws.1.1.1) 19/20mm dia 2mm thick	Mtr	15	54.0	Rupees Fifty Four Only

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34	Wiring for lighting/power circuit using one of FRLS PVC insulated 1100V grade, multistrand Copper with low conductor resistance single core wire in open or concealed system of wiring with specified IS 694:1990 & confirming to GTP of GROUP -A. 2.5.2) 1.5 sqmm.	mtr	35	18.6	Rupees Eighteen and Sixty Paise Only
35	2.5.1) 1 sqmm.	mtr	35	10.0	Rupees Ten Only
36	2.5.3) 2.5 sqmm.	mtr	35	25.0	Rupees Twenty Five Only
37	2.5.4) 4 sqmm.	mtr	70	40.0	Rupees Forty Only
38	Supplying and flush mounting teak wooden box without front plank, made of not less than 12mm thick wood, after due groove cutting, Finishing with necessary cement plastering complete 1.6.3) 10"x7"x3" (254x178x76mm)	Each	2	87.0	Rupees Eighty Seven Only
39	1.6.4) 8"x6"x3" (203x152x76mm)	Each	1	73.0	Rupees Seventy Three Only
40	1.6.1) 12"x12"x3" (300x300x76mm)	Each	1	80.0	Rupees Eighty Only
41	Supplying 4mm thick plastic sheet with necessary nitches for fixing switches, regulators etc., and fixing on existing wooden or metal box using N.F. screws.	Sqm	1225	0.2	Twenty Paise Only
42	Supplying and fixing/replacing of 6/16/32Amps electrical accessories on existing switch board. GROUP A 3.15.1) 6Amps SP Switch	Nos	1	25.0	Rupees Twenty Five Only
43	3.15.3) 6Amps 3 way 5 pin Socket	Nos	1	40.0	Rupees Forty Only
44	3.15.6) 6 Amps lamp holder	Nos	3	30.0	Rupees Thirty Only
45	3.15.13) 16/6 Amps combined plug and socket with control switch	Nos	3	210.0	Rupees Two Hundred Ten Only
5	Supplying and fixing of modular switch/ Socket/stepped electronic fan regulator/ dimmer/telephone socket etc on existing modular switch plate as per IS 3854 and IS 1293 GROUP B 3.7.18) 1000-1200Watts Dimmer	Each	1	370.0	Rupees Three Hundred Seventy Only

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	Supplying and fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and 'C' Type curve, indicator ON/OFF, energy cross-3 with Short circuit breaking capacity of 10K and complete wiring as required confirming to IEC 60898. 6.16.1) 5-32Amps SP	Each	1	340.0	Rupees Three Hundred Forty Only
48	Supplying, fixing, wiring, earth electrode for grounding conduits, I.C. cutouts and other equipment's on the meter board using 40mm dia 2.90mm thick GI pipe 2.5 mtr long buried in a pit ... The pit should be filled with equal proportion of salt and charcoal 150mm all-round the pipe to complete depth. The connection from the pipe to the conduit etc., is to be established through GI wire of size as per ISI specification 7.3.3. of IS 732 using 12mm dia bolts, nuts, washers and check nuts etc., the pipe shall have 16 through holes of 122 mm dia	Nos	1	2400.0	Rupees Two Thousand Four Hundred Only
49	Supplying & fixing of Porcelain fuse channel with cut out on existing wooden/panel using necessary nuts, bolts and washers. 6.7.1) 16Amps	Each	1	120.0	Rupees One Hundred Twenty Only
50	Supply patty type fluorescent tube light fitting of 4'-36/40 watts fluorescent tube fitting, made out of M.S sheet and stove enameled with low loss open construction copper wound ferromagnetic ballast, starter, locking type brass contact holders mounted on double fold type sheet base fully wired for use on230 Volts A C Supply including 1No 4'-36/40 Watts fluorescent tube. c) Group 'C' KPWD SR (Ele) 2010-11	Each	5	310.0	Rupees Three Hundred Ten Only
51	Fixing all types and all capacities of fluorescent / false ceiling / spot light / CFL / LED fittings indoor on the wall / ceiling / rafters / girders using 23/0.0076" twin twisted PVC insulated wires, required Nos of round blocks and clamps. 17.7.1) On wall / ceiling / Rafter / Girders	Each	5	98.0	Rupees Ninety Eight Only

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